BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK :Package No.03 (Package Consists of 21 works)

Agency: Sri C.G Chanadrappa # 1c 301, 3rd main block HRBR Layout kalyan nagar Bangalore 560043

MEASUREMENT SHEET - 3rd and PART BILL

ABSTRACT ESTIMATE

Sl. No.	Description of Work	Unit	Quantity Executed	Rate	Amount	Remark
1	Earthwork in surface excavation in ordinary soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, roads drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up lift 1.5, excavated surface leveled and neatly dressed disposed earth to be leveled after breaking of clods and neatly dressed as per specifications and as per the directions of the Engineer-in-charge of the work .					
	present Qty		1293.33			
	2nd Bill Qty		5200.25			
	Total Executed Qty		6493.58			
	Modified Tender Qty		6493.58			
	Qty for now to be paid	Cum	1293.33	178.07	230303.27	
3	Removing B.S.slab of Drain and stacking as per the directions of the Engineer-in-charge of the work .					
	present Qty		177.35			
	2nd Bill Qty		1551.98			
	Total Executed Qty		1729.33			
	Modified Tender Qty		1729.33			
	Qty for now to be paid	Sqm	177.35	70.32	12471.25	
4	Removing and refixing stone slabs of drains and pointing in CM (1:3) as per the directions of the Engineer-in-charge of the work .					
	present Qty		378.35			
	1st and 2nd Bill Qty		5952.22	5956.03		
	Total Executed Qty	6333.38	6330.57	6338.38		
	Modified Tender Qty	7183.17	7225.02			
	Qty for now to be paid	Sqm	378.35	86.20	32613.77	
5	Providing granite slabs of selected quality roughly dressed havinf a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete as per the directions of the Engineer-in-charge of the work .	Sqm				
	present Qty		75.60			
	1st and 2nd Bill Qty		976.60			
	Total Executed Qty		1052.20			
	Modified Tender Qty	1693.13	1805.18			
	Qty for now to be paid	Sqm	75.60	712.28	53848.37	

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AssistantEngineer

Assistant Executive Engineer

Assistant Executive Engineer
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	Providing granite slabs of selected quality roughly dressed havinf a size of 10 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete as per the directions of the Engineer-in-charge of the work					
	present Qty		144.00			
	1st and 2nd Bill Qty		1630.33			
	Total Executed Qty		1774.33			
	Modified Tender Qty		1774.33			
	Qty for now to be paid	Sqm	144.00	883.54	127229.76	
7	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications and as per the directions of the Engineer-in-charge of the work .					
	present Qty		1309.38			
	1st and 2nd Bill Qty		6427.36			
	Total Executed Qty		7736.74			
	Modified Tender Qty		9966.47			
	Qty for now to be paid	Cum	1309.38	93.00	121772.20	
9	Lead for disposal of earth shall be payable at Carriage rates (Lead & Lift) by mechanical means including loading and unloading up to 15kms as per the directions of the Engineer-in-charge of the work .	Cum				
	present Qty		2225.81			
	1st and 2nd Bill Qty		12705.92			
	Total Executed Qty		14931.73			
	Modified Tender Qty		19372.14			
	Qty for now to be paid	Cum	2225.81	124.12	276267.35	
11	Providing,laying, spreading and compacting crushed stone aggregates of granite/trap/ basalt to wet mix macadam specification including pre mixing the Material with water at OMC in mechanical mix plant carriage of mixed material by tipper to site, laying in uniform layers with paver in sub-base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density. complete as per specifications and as per the directions of the Engineer-in-charge of the work .	Cum				
	present Qty	1)	2160.92			
	1st and 2nd Bill Qty	2)	2143.13	1802.35		
	Total Executed Qty	1+2+3 =	4304.05			
	Modified Tender Qty		5773.44			
	Reserved Quantity in 2nd bill to be Release	3)	340.78	1891.85	644703.70	644704.64
	Qty for now to be paid	Cum	2160.92	1891.85	4088130.26	4088136.50

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	Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by road roller attached with scarifier without disturbing the base and stacking the debris including cost of all labour charges, HOM of machineries complete as per specifications and as per the directions of the Engineer-in-charge of the work .	Sqm				
	present Qty		3467.09			
	1st and 2nd Bill Qty		3010.77			
	Total Executed Qty		6477.86			
	Modified Tender Qty		8449.88			
	Qty for now to be paid	Sqm	3467.09	32.89	114032.59	
13	Cleaning the existing WBM Road surface including removing of binding materials and other foreign matter with wire brushes and small picks sweeping with brooms or soft brushes and finally dusting with old gunny bags and bar or compressed air to receive bituminous treatment including cost of all materials, labhour, HOM of machineries complet as per specifications and as per the directions of the Engineer-in-charge of the work .	Sqm				
	present Qty	1)	9395.29			
	2nd Bill Qty	2)	6788.21	5212.24		
	Total Executed Qty	1+2+3 =	16183.50			
	Modified Tender Qty		16183.5			
	Reserved Quantity in 2nd bill to be Release	3)	1575.97	14.74	23229.72	
	Qty for now to be paid	Sqm	9395.29	14.74	138486.57	
14	Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kglsqm using mechanical means complete as per specifications and as per the directions of the Engineer-in-charge of the work .	Sqm				
	present Qty		9395.29			
	1st and 2nd Bill Qty		9260.34			
	Total Executed Qty		18655.63			
	Modified Tender Qty		24705.56			
	Qty for now to be paid	Sqm	9395.29	29.49	277067.10	

Contractor PMC Assistant Engineer Assistant Executive Engineer

Assistant Executive Engineer
Vidyaranyapura Sub Division

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	Providing and laying bituminous macadam on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant, transporting the mixd material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, but excluding cost of primer / tack coat including lead, lift and cost of all materials, labour, HOM of machineries completeand as per the directions of the Engineer-in-charge of the work .	Cum				
	present Qty	1)	482.51			
	2nd Bill Qty	2)	339.41	273.64		
	Total Executed Qty	1+2+3 =	821.92			
	Modified Tender Qty		821.92		403268.09	
	Reserved Quantity in 2nd bill to be Release	3)	65.77	6131.49	403253.69	
	Qty for now to be paid	Cum	482.51	6131.49	2958501.87	
17	Cleaning the existing black topped surface with brooms,soft brushes and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials,labhour, HOM of machineries complete as per specifications and as per the directions of the Engineer-in-charge of the work .	Sqm			2958505.00	
	present Qty		9415.45			
	1st and 2nd Bill Qty		71749.49			
	Total Executed Qty		81164.94			
	Modified Tender Qty		85574.84			
	Qty for now to be paid	Sqm	9415.45	3.40	32012.53	
18	Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications and as per the directions of the Engineer-in-charge of the work .	Sqm				
	present Qty		9415.45			
	1st and 2nd Bill Qty		74222.62			
	Total Executed Qty		83638.07			
	Modified Tender Qty		93484.6			
	Qty for now to be paid	Sqm	9415.45	13.61	128144.27	

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UDRAPRASAD CONSULTANTS BANGALORE
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AssistantEngineer

Assistant Executive Engineer

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19	**Providing and laying bituminous concrete 30-40 mm compacted thickness with VG30 Bitumen grade using 40-60 HMP using crushed aggregates of grading II, premixed with bituminous binder at 5.4% of mix and filler, transporting the hot mix to work site, laying with a mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction complete in all respects as per specifications and as per the directions of the Engineer-in-charge of the work .**	**Cum**				
	present Qty		**376.62**			
	1st and 2nd Bill Qty		**3167.80**			
	Total Executed Qty		**3544.42**			
	Modified Tender Qty		**3938.28**			
	Qty for now to be paid	**Cum**	**376.62**	**8686.84**	**3271620.31**	
20	**Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications and as per the directions of the Engineer-in-charge of the work .**	**Sqm**			3271637.68	
	present Qty		**389.80**			
	1st and 2nd Bill Qty		**2750.26**			
	Total Executed Qty		**3140.06**			
	Modified Tender Qty 3461.99		**3328.88**			
	Qty for now to be paid	**Sqm**	**389.80**	**580.71**	**226360.76**	

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Contractor

RUDRAPRASAD CONSULTANTS BANGALORE
PMC

AssistantEngineer

Assistant Executive Engineer
Assistant Executive Engineer
Vidyaranyapura Sub-Division
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25	LED Street light.Supply of LED Streetlight with pressure die cast aluminum housing body with optimal heat sink for better thermal dissipation. Diffuser with Injection moulded & is made of polycarbonate material with high transmission index, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminare > IK08. Power Factor >0.9 with mains Current should not be greater than 0.1A to 0.7A & Surge Protection- Min 4KV along with Over voltage/Overload, short circuit/ miswiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with ..... W System Power consumption. LED Efficiency>130lm/w at 1W & FixtureEfficiency	No				
	present Qty		88.00			
	Previous Bill Qty		-			
	Total Executed Qty		88.00			
	Modified Tender Qty		88.00			
	Qty for now to be paid	No	88.00	20030.40	1762675.20	
26	Supplying and Fixing of..... mm dia class A GI pipe bracket up to 2 mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 watts fluorescent tube street light fitting of all capacities to GI or CI or rail or RCC pole / wall using suitable clamps, bolts, and nuts and wiring using suitable capacity wires. Using 32mm dia G.I.pipe as per the directions of the Engineer-in-charge of the work .	No				
	present Qty		135.00			
	Previous Bill Qty		-			
	Total Executed Qty		135.00			
	Modified Tender Qty		135.00			
	Qty for now to be paid	No	135.00	955.51	128993.85	
27	Wiring for lighting/power circuit using one of PVC insulated 1100v grade stranded Aluminium unsheathed wire single core/multi core cable in open or consealed system of wiring. a)4 sqmm. as per the directions of the Engineer-in-charge of the work .	No				
	present Qty		440.00			
	Previous Bill Qty		-			
	Total Executed Qty		440.00			
	Modified Tender Qty		440.00			
	Qty for now to be paid	No	440.00	8.03	3533.20	

Contractor PMC AssistantEngineer Assistant Executive Engineer Assistant Executive Engineer. Vidyaranyapura Sub Division

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28	Supplying of 1.1 KV LT UG cable having aluminum conductor PVC insulated, extruded inner sheathed, galvanized, steel strip (except 2CX10Sq.mm wire armoured) confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1988 & confirming to GTP of ROUP-A.3.5 core 25sqmm as per the directions of the Engineer-in-charge of the work .	Rmt				
	present Qty		150.00			
	Previous Bill Qty		-			
	Total Executed Qty		150.00			
	Modified Tender Qty		150.00			
	Qty for now to be paid	Rmt	150.00	177.19	26578.50	
29	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.In existing trench/duct.25 sqmm to 75 sqmm as per the directions of the Engineer-in-charge of the work .	Rmt				
	present Qty		150.00			
	Previous Bill Qty		-			
	Total Executed Qty		150.00			
	Modified Tender Qty		150.00			
	Qty for now to be paid	Rmt	150.00	37.24	5586.00	
30	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes25 sqmm Long Barrel as per the directions of	No				
	present Qty		55.00			
	Previous Bill Qty		-			
	Total Executed Qty		55.00			
	Modified Tender Qty		55.00			
	Qty for now to be paid	No	55.00	22.03	1211.65	
				TOTAL AMOUNT	15088627.75	

CGC INFRA PROJECTS PVT LTD
Contractor

PUDRAPRASAD CONSULTANTS BANGALORE
PMC

Assistant Engineer

Assistant Executive Engineer
Vidyaranyapura Sub Division

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